

**First, Second, and Single COVID-19 Vaccine Doses Administered,
Boston Residents Age 16+, Dec. 15, 2020 - Apr. 27, 2021**

| | Doses Administered | Percentage of Boston Total Population* |
|--|---------------------------|---|
| 1st Dose (Moderna, Pfizer) | 334,157 | 57.5% |
| 2nd Dose (Moderna, Pfizer) | 204,594 | 35.2% |
| Single Dose (Johnson & Johnson) | 18,254 | 3.1% |
| Total Doses Administered | 557,005 | |

**Boston Residents with At Least 1 COVID-19 Vaccine Dose, Partially Vaccinated, and Fully Vaccinated, Age 16+,
Dec. 15, 2020 - Apr. 27, 2021**

| | Number of Boston Residents | Percentage of Boston Total Population* |
|---|-----------------------------------|---|
| At Least 1 Dose¹ | 352,411 | 60.6% |
| Partially Vaccinated² | 129,563 | 22.3% |
| Fully Vaccinated³ | 222,848 | 38.3% |

**Week to Week Comparison: Boston Residents with At Least 1 Dose and Fully Vaccinated for COVID-19, Age 16+,
Apr. 14 - Apr. 27, 2021**

| | Number of Boston Residents | | Percent Change |
|-------------------------------------|-----------------------------------|---------------------|-----------------------|
| | Apr. 14 -20 | Apr. 21 - 27 | |
| At Least 1 Dose¹ | 35,141 | 30,724 | -13% |
| Fully Vaccinated³ | 23,885 | 29,752 | 25% |

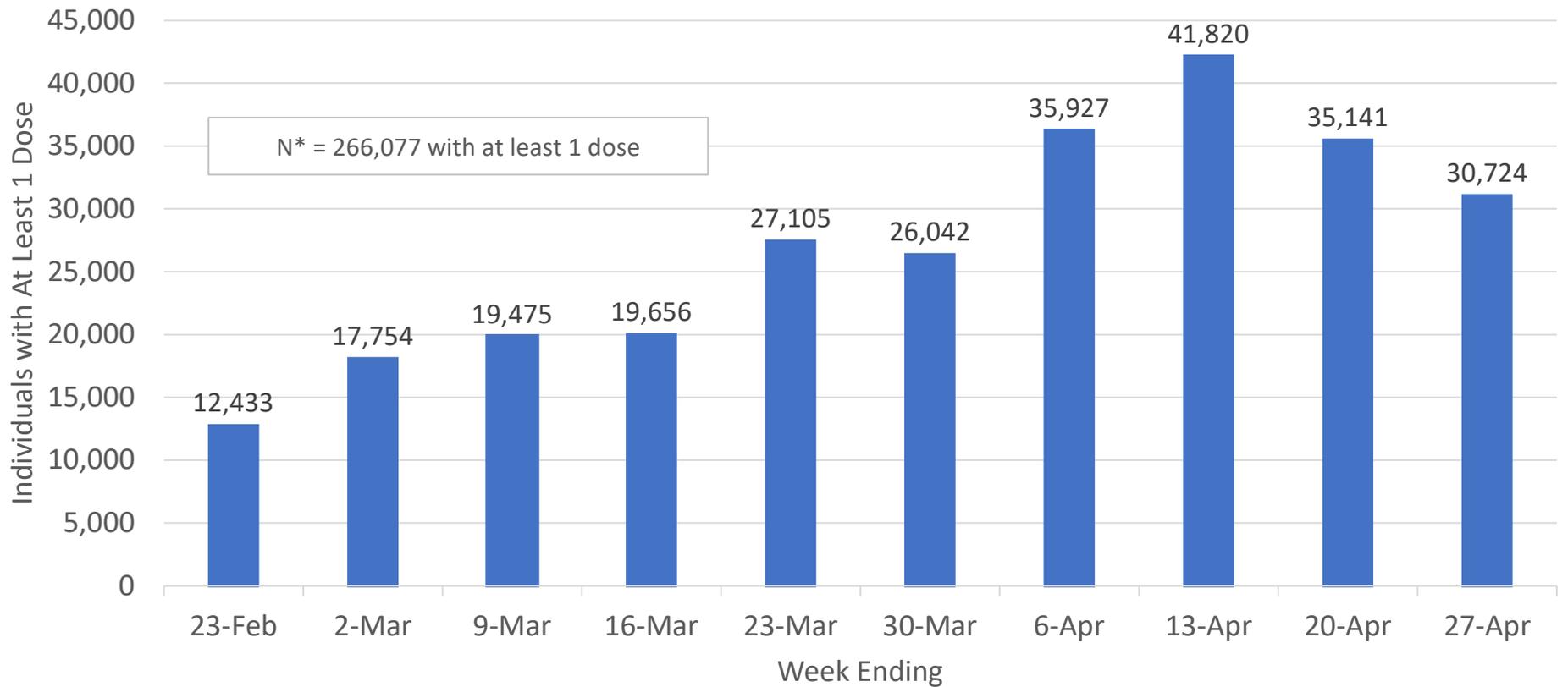
* The Boston Total population count (581,209 residents) includes residents ages 16+, the population for which a COVID-19 vaccine is currently approved.

¹ At Least 1 Dose refers to individuals who have received one or more doses of the Moderna or Pfizer vaccine, or a single dose of the Johnson & Johnson vaccine. ² Partially Vaccinated refers to individuals who have received only a first dose of the Moderna or Pfizer vaccine. ³ Fully Vaccinated refers to individuals who have received both first and second doses of the Moderna or Pfizer vaccine, or a single dose of the Johnson & Johnson vaccine.

Data Sources: 1) Massachusetts Department of Public Health (MDPH), Massachusetts Immunization Information System (MIIS). Data as of 11:59 pm on April 27, 2021. Note from MDPH: Immunization data from most (but not all) providers in Massachusetts are reported into the MIIS through direct messages from electronic health records or direct entry by users. Due to inputting and processing, it may take 24-48 hours or more for shipping or administration data to appear in MIIS. MIIS data are available for analysis one calendar day after they are reported to the MIIS. Data are current as of time of publication and may be subject to change in future publications as additional data are reported. 2) U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018).

NOTE: This week's vaccination report does not include neighborhood or race/ethnicity stratifications of vaccination rates by age for residents ages 65 and older due to concerns regarding differences in population estimate totals for these older residents. While U.S. Census Bureau American Community Survey (ACS) 5-year population estimates (2014-2018) have been utilized for all rate population denominators, totals from the most recent single-year release (ACS 1-year estimates 2019) show much higher levels of residents in this older age group (ages 65+) than the ACS 5-year 2014-2018 estimates show. BPHC routinely utilizes the 5-year estimates for all COVID-related rate generation as these are regarded as being more stable for having aggregated five years of data and permit geographic presentations below city level (e.g., neighborhood). The concern regarding resident population totals pertains primarily to age stratifications by neighborhood and race/ethnicity. BPHC will continue to provide neighborhood and race/ethnicity rates for all vaccine eligible ages combined (i.e., ages 16+) as differences between the two sets of population estimates for this larger age group are far less pronounced and in accordance with expected increase over time. BPHC will continue to assess the practical application of the ACS 5-year population estimates and adopt adjustments as data integrity considerations warrant.

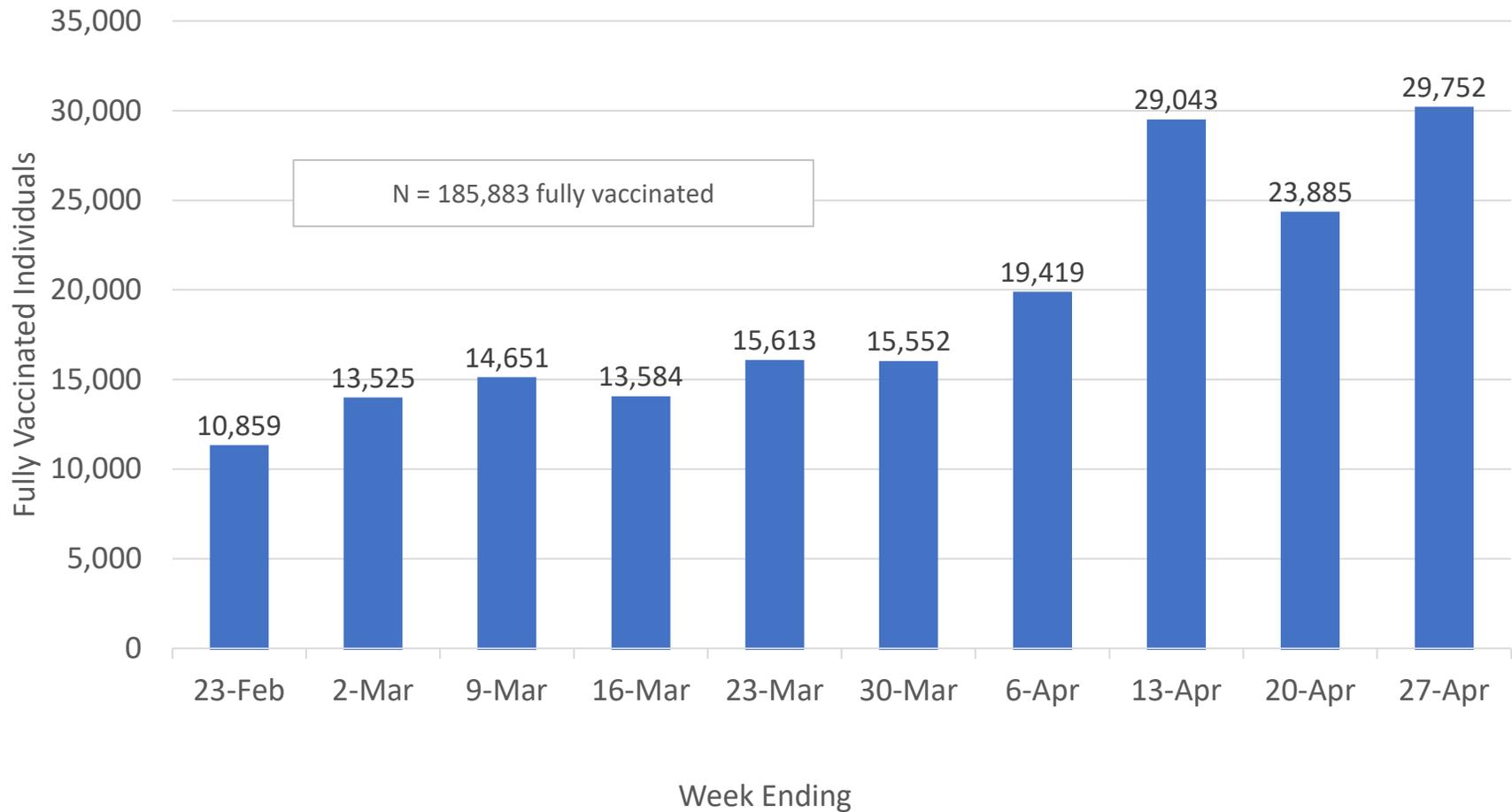
Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Week, Age 16+, Feb. 17 - Apr. 27, 2021



*N is equal to total number of individuals receiving their initial dose in the 10-week period.

Data Source: Massachusetts Department of Public Health, Massachusetts Immunization Information System

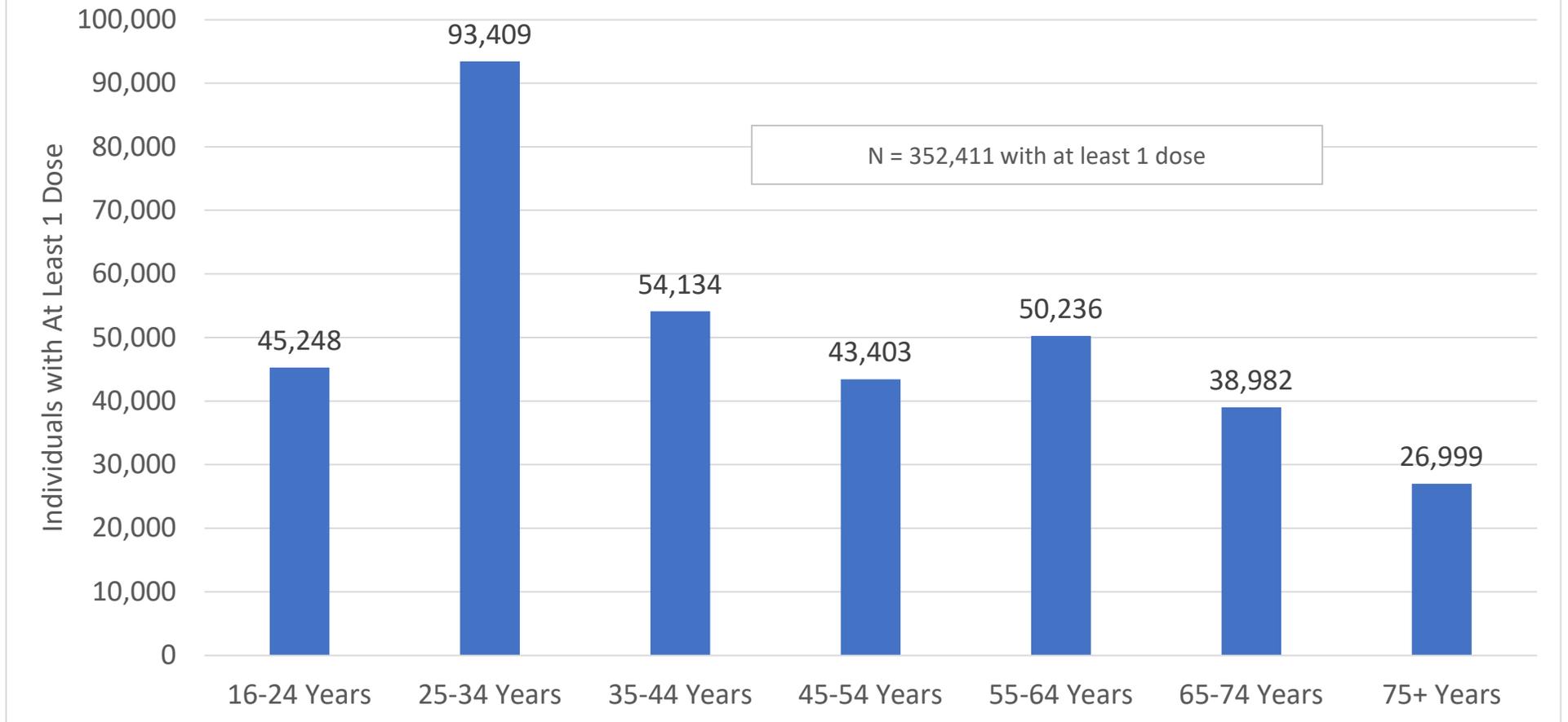
Individuals Fully Vaccinated for COVID-19 by Week, Age 16+, Feb. 17 - Apr. 27, 2021



*N is equal to total number of individuals receiving their final dose in the 10-week period.

Data Source: Massachusetts Department of Public Health, Massachusetts Immunization Information System

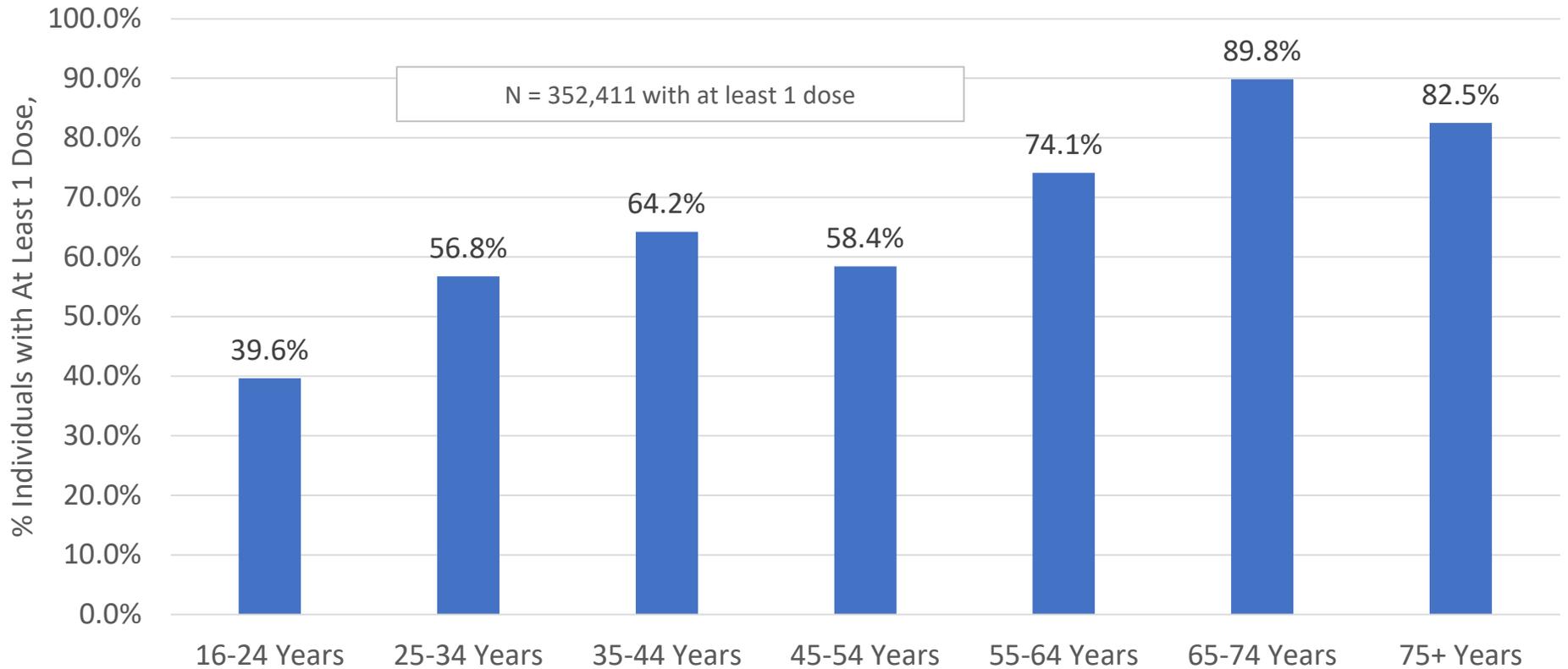
Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Age Group, Dec. 15, 2020 - Apr. 27, 2021



Age group "0-15 Years" is not included in this chart as there is currently no vaccine approved for individuals age 15 years or less.

Data Source: Massachusetts Department of Public Health, Massachusetts Immunization Information System

Percent of Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Age Group, Dec. 15, 2020 - Apr. 27, 2021

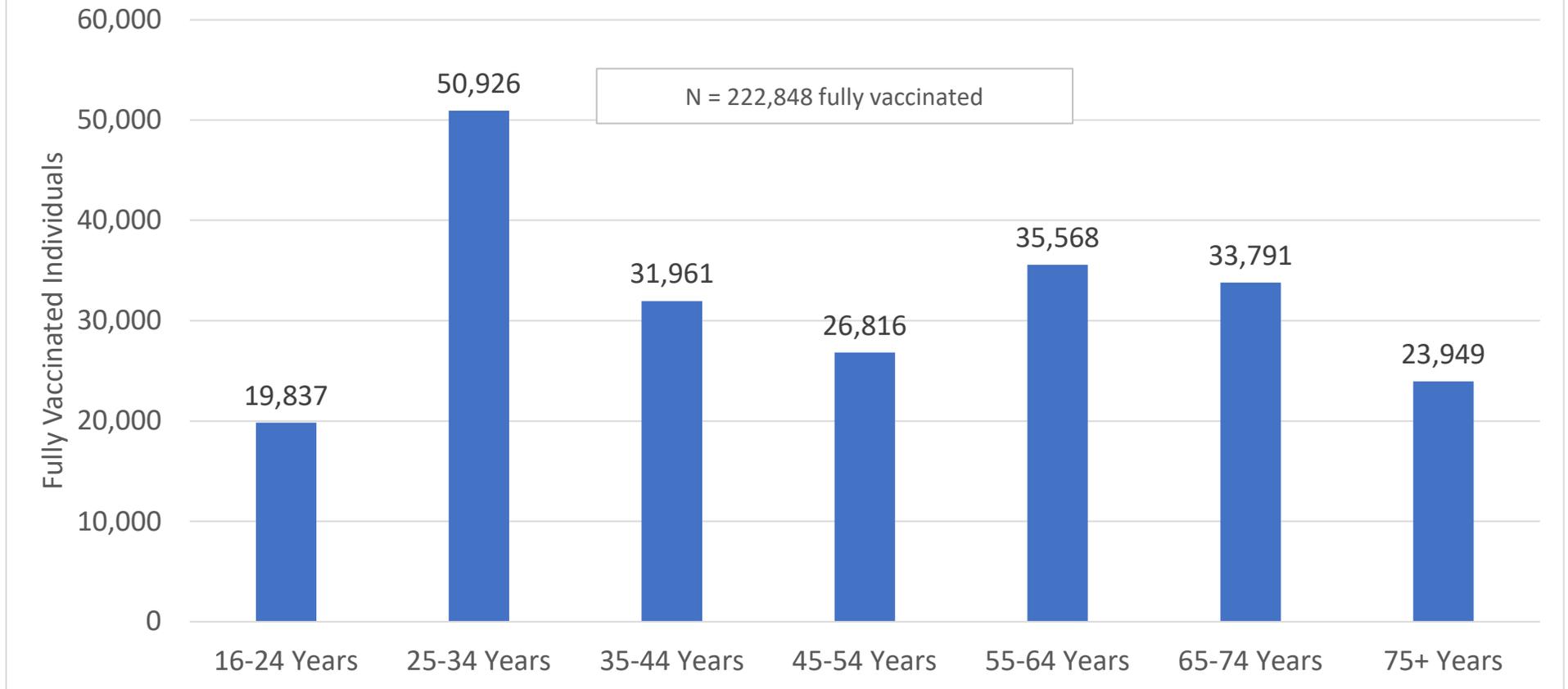


Age group "0-15 Years" is not included in this chart as there is currently no vaccine approved for individuals age 15 years or less.

Percentage of overall Boston population (age 16+) with at least 1 dose = 60.6%

Data Sources: Massachusetts Department of Public Health, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018)

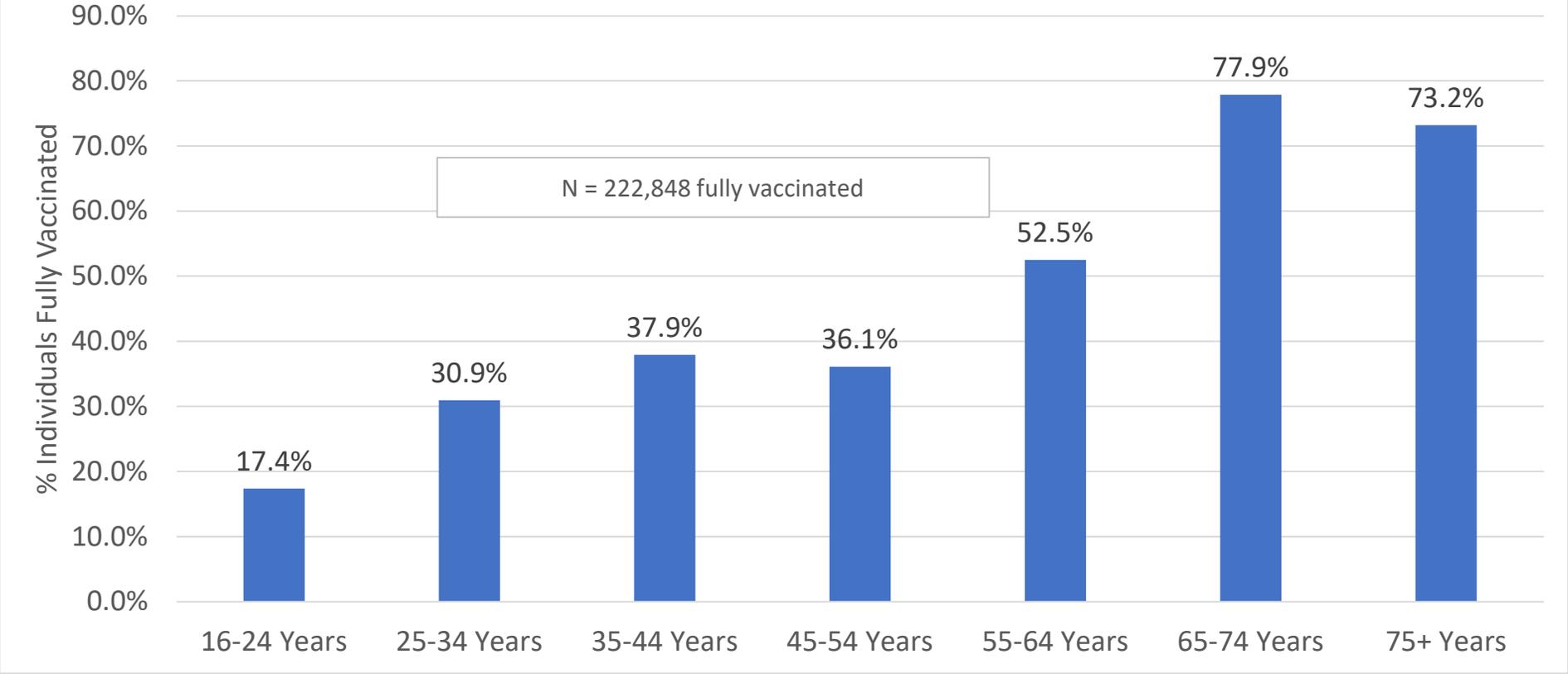
Individuals Fully Vaccinated for COVID-19 by Age Group, Jan. 2 - Apr. 27, 2021



Age group "0-15 Years" is not included in this chart as there is currently no vaccine approved for individuals age 15 years or less.

Data Source: Massachusetts Department of Public Health, Massachusetts Immunization Information System

Percent of Individuals Fully Vaccinated for COVID-19 by Age Group, Jan. 2 - Apr. 27, 2021

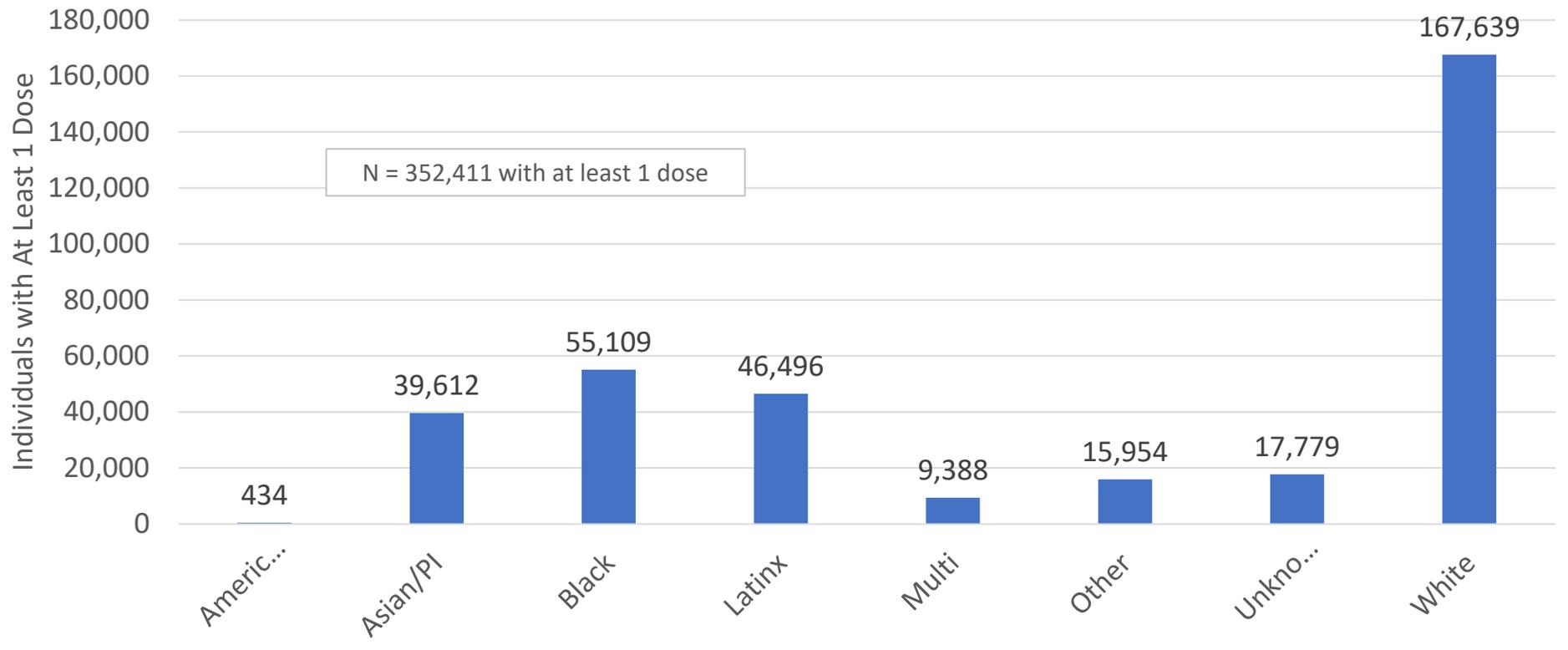


Age group "0-15 Years" is not included in this chart as there is currently no vaccine approved for individuals age 15 years or less.

Percentage of overall Boston population (age 16+) fully vaccinated = 38.3%

Data Sources: Massachusetts Department of Public Health, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018)

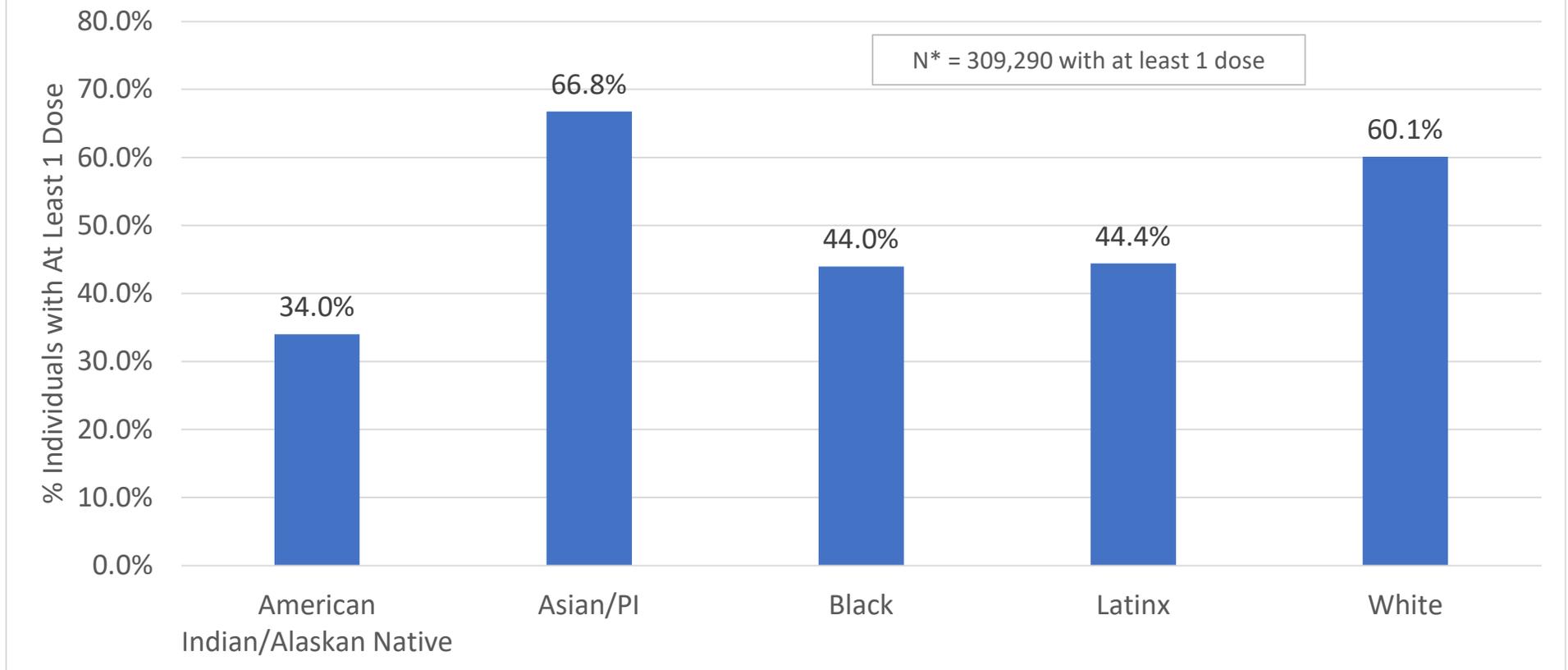
Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Race/Ethnicity, Age 16+, Dec. 15, 2020 - Apr. 27, 2021



Asian/PI = Asian, Native Hawaiian, and Pacific Islander

Data Source: Massachusetts Department of Public Health, Massachusetts Immunization Information System

Percentage of Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Race/Ethnicity, Age 16+, Dec. 15, 2020 - Apr. 27, 2021



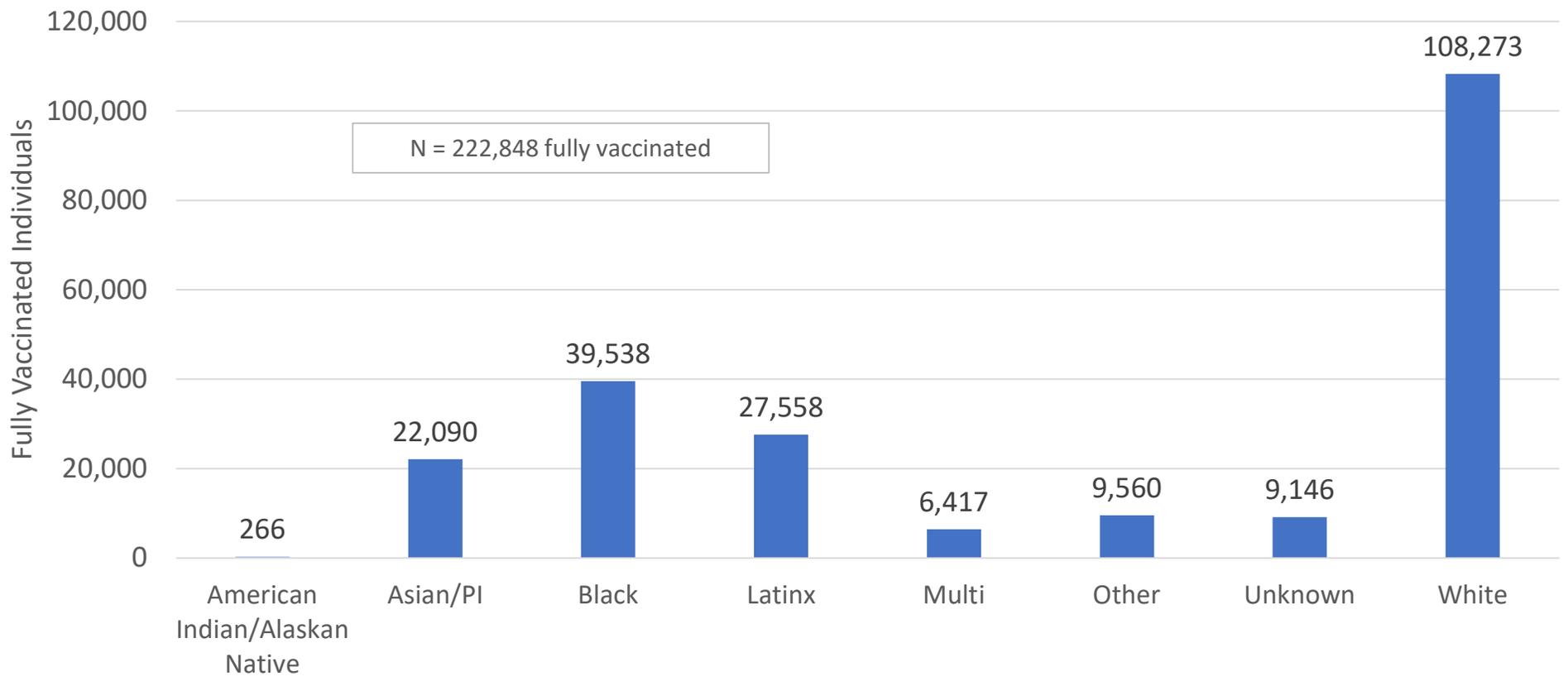
Asian/PI = Asian, Native Hawaiian, and Pacific Islander

* N varies from Total N of Individuals with At Least 1 Dose (320,493) because data for residents who identify as Multiracial, Other, or Unknown are not included in this chart due to lack of comparable population data.

Percentage of overall Boston population (age 16+) with at least 1 dose = 60.6%. NOTE: Population counts used to calculate percentages for each racial/ethnic group include individuals age 15+, as these data are not available age 16+.

Data Sources: Massachusetts Department of Public Health, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018)

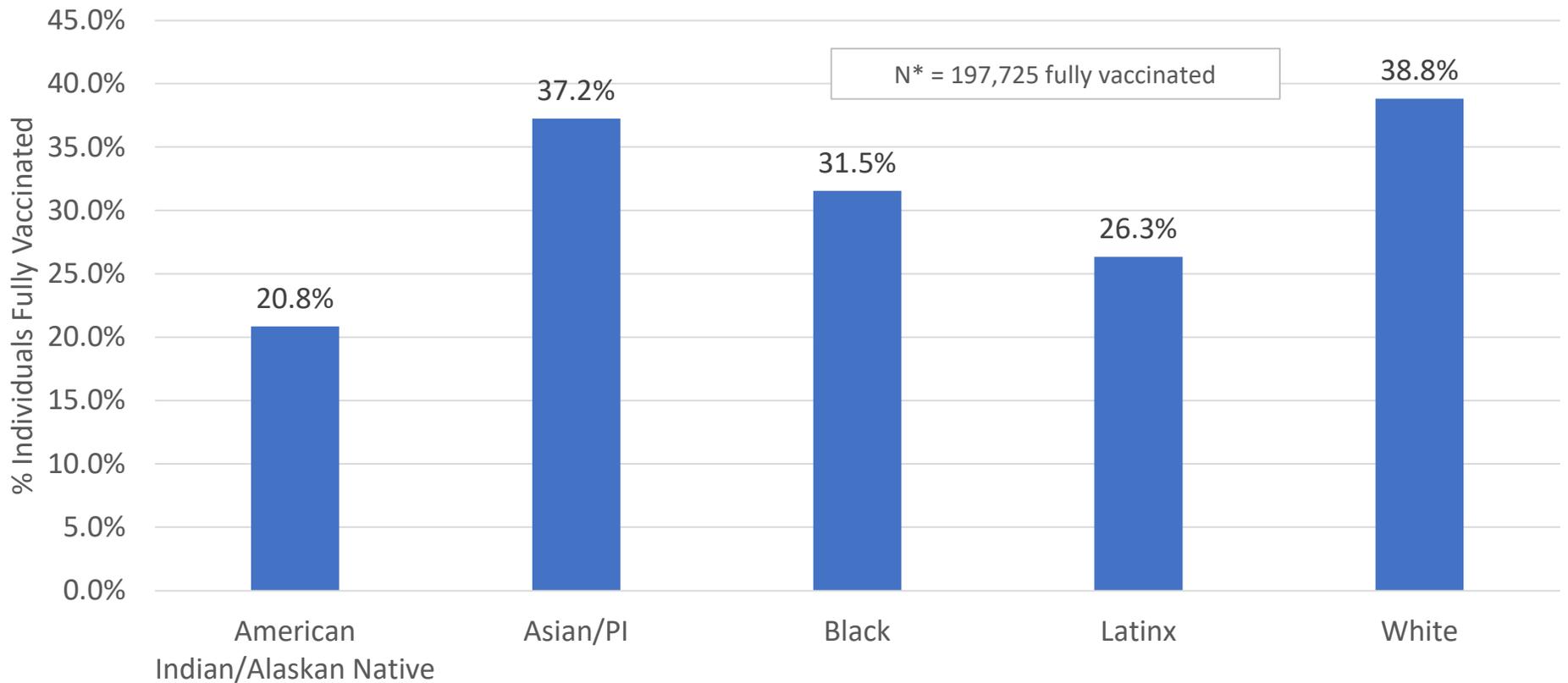
Individuals Fully Vaccinated for COVID-19 by Race/Ethnicity, Age 16+, Jan. 2 - Apr. 27, 2021



Asian/PI = Asian, Native Hawaiian, and Pacific Islander

Data Source: Massachusetts Department of Public Health, Massachusetts Immunization Information System

Percentage of Individuals Fully Vaccinated for COVID-19 by Race/Ethnicity, Age 16+, Jan. 2 - Apr. 27, 2021



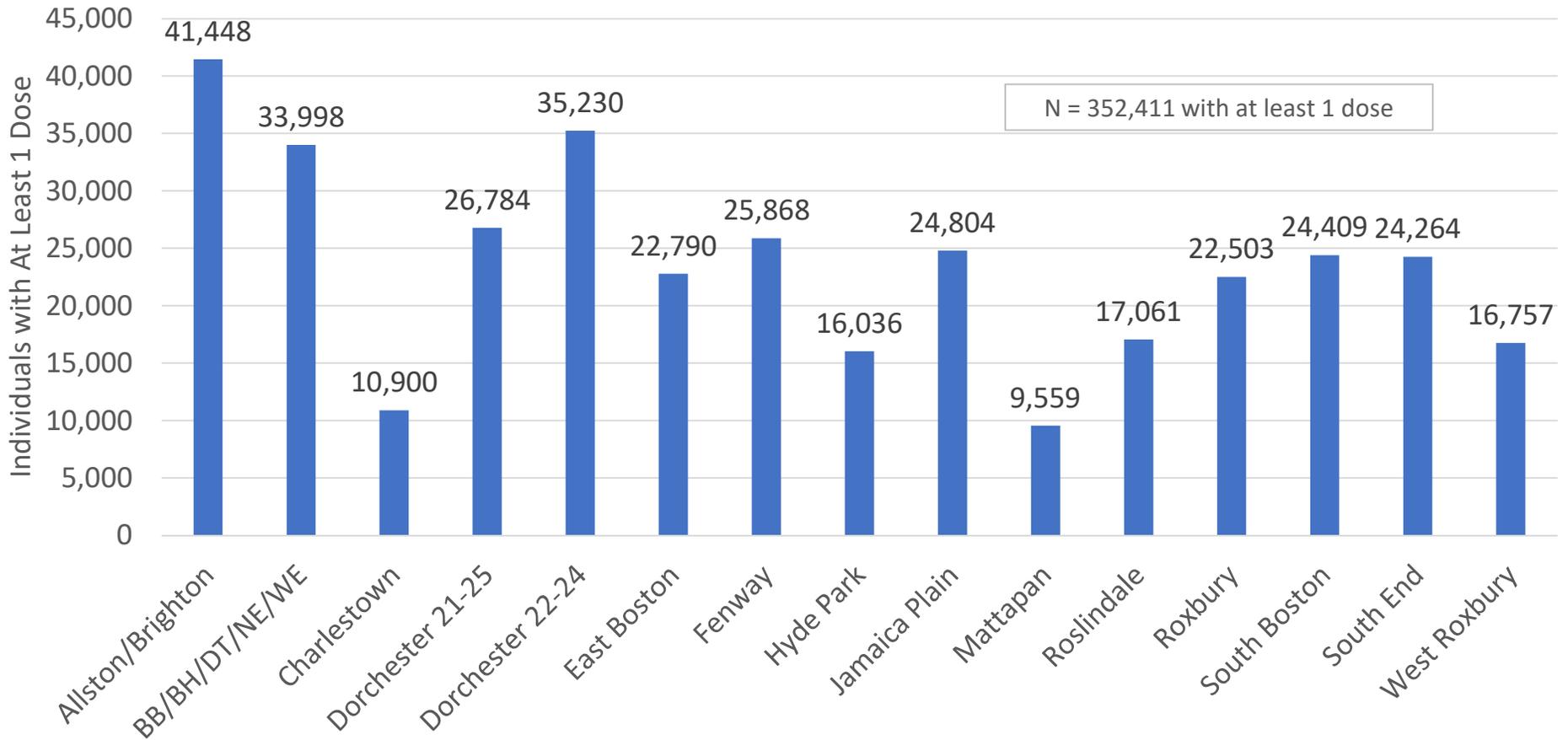
Asian/PI = Asian, Native Hawaiian, and Pacific Islander

* N varies from Total N of Fully Vaccinated Individuals (192,342) because data for residents who identify as Multiracial, Other, or Unknown are not included in this chart due to lack of comparable population data.

Percentage of overall Boston population (age 16+) fully vaccinated = 38.3%. NOTE: Population counts used to calculate percentages for each racial/ethnic group include individuals age 15+, as these data are not available age 16+.

Data Sources: Massachusetts Department of Public Health, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018)

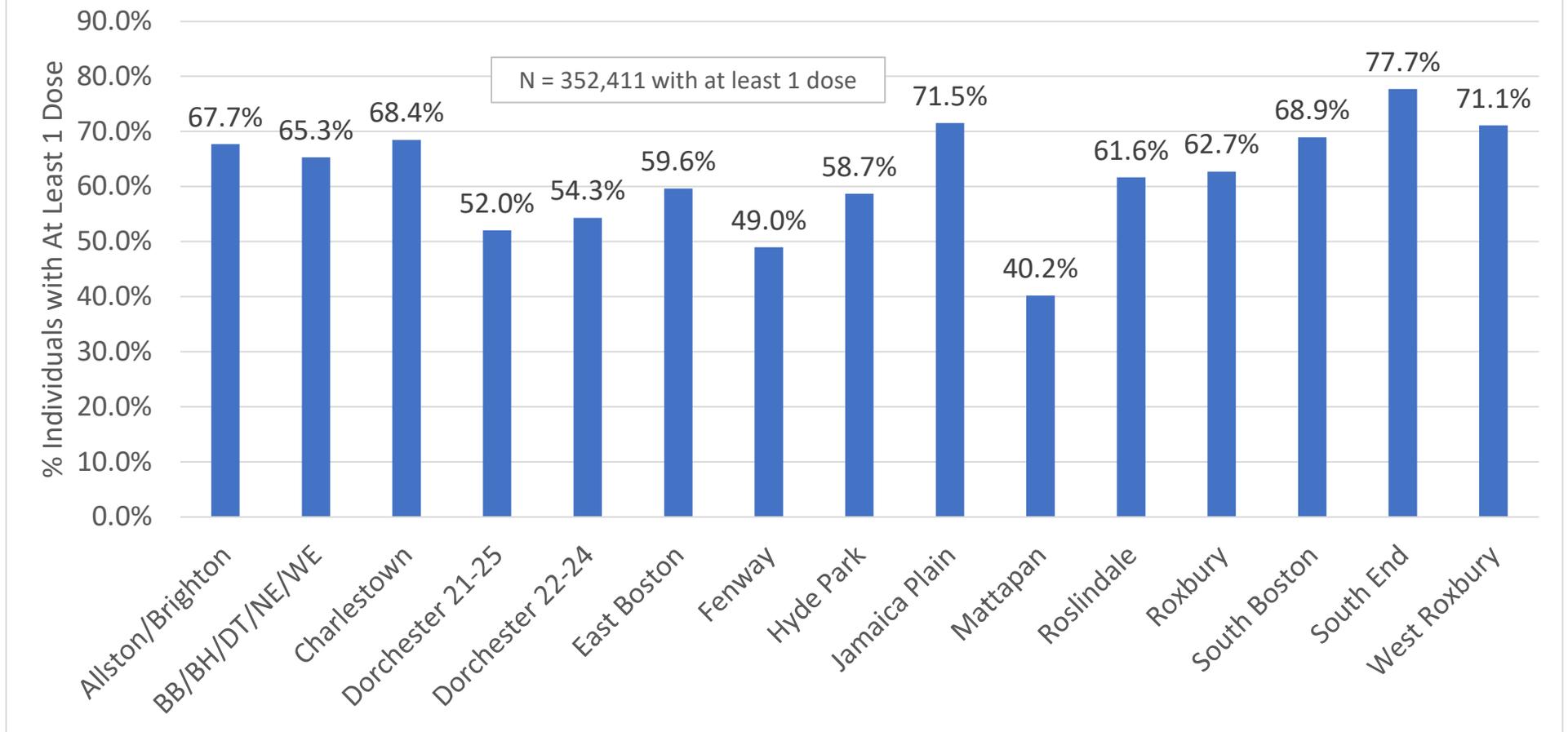
Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Neighborhood, Age 16+, Dec. 15, 2020 - Apr. 27, 2021



BB/BH/DT/NE/WE = Back Bay/Beacon Hill/Downtown/North End/West End

Data Source: Massachusetts Department of Public Health, Massachusetts Immunization Information System

Percentage of Individuals with At Least 1 Dose of COVID-19 Vaccine Administered by Neighborhood, Age 16+, Dec. 15, 2020 - Apr. 27, 2021

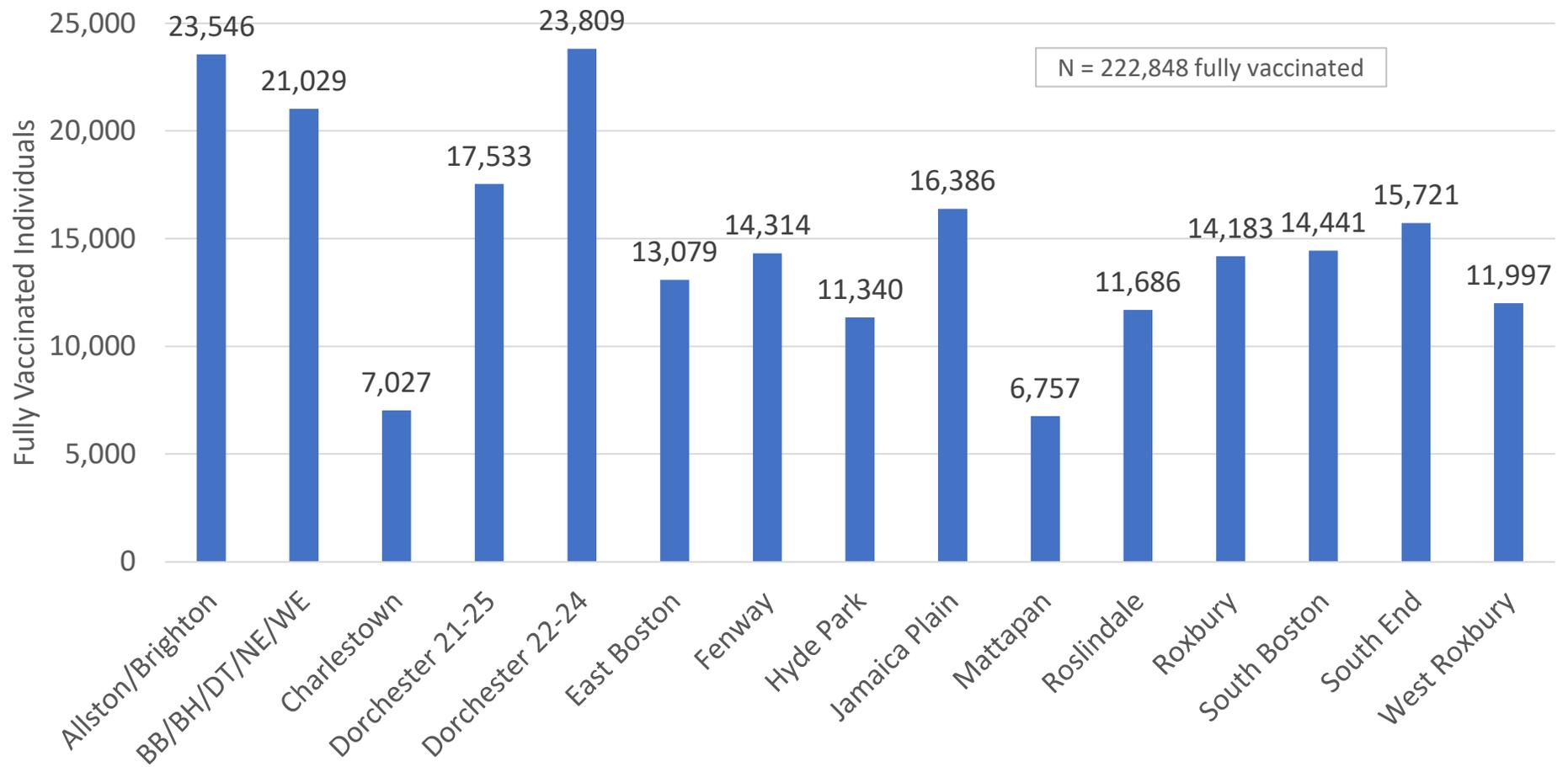


BB/BH/DT/NE/WE = Back Bay/Beacon Hill/Downtown/North End/West End

Percentage of overall Boston population (age 16+) with at least 1 dose = 60.6%

Data Sources: Massachusetts Department of Public Health, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018)

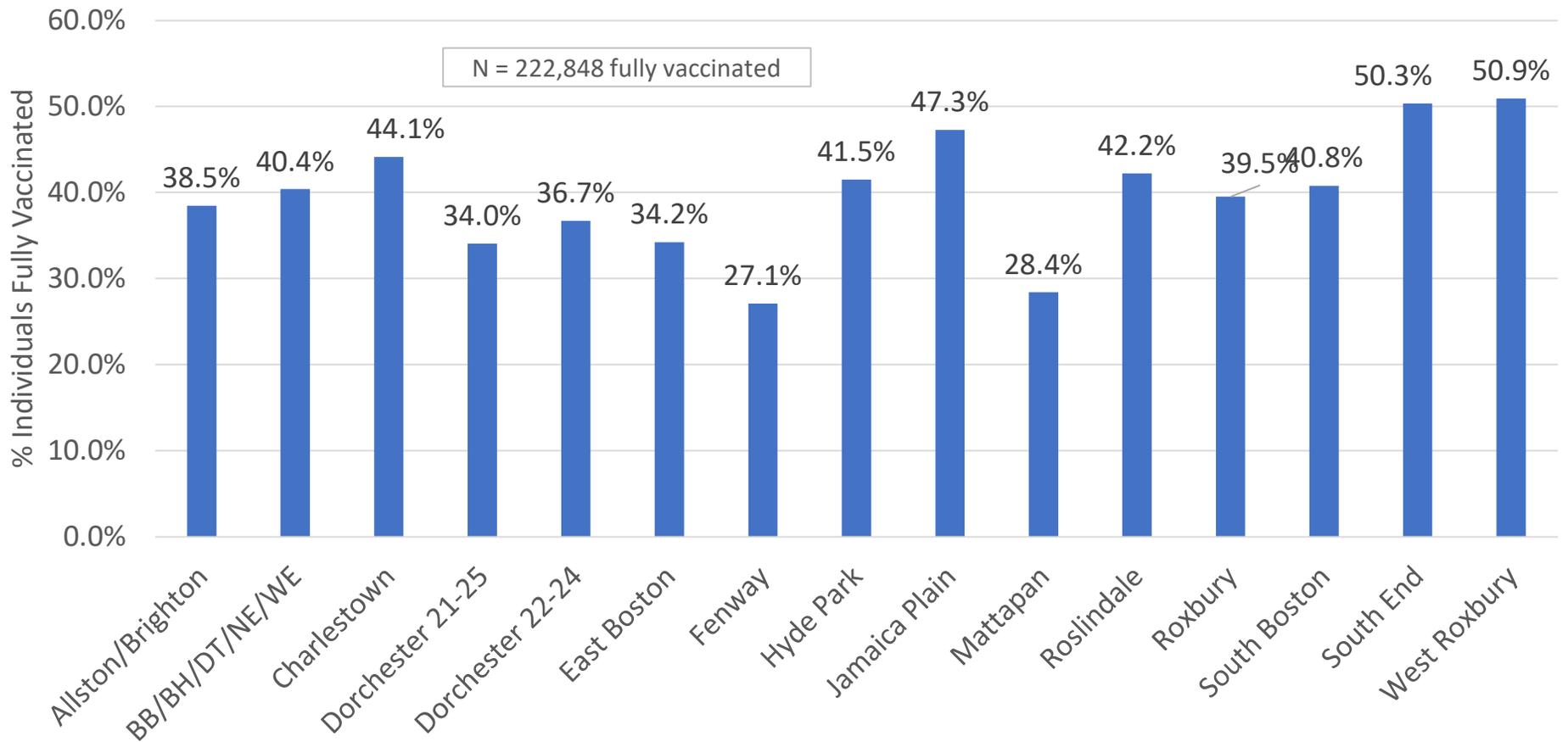
Individuals Fully Vaccinated for COVID-19 by Neighborhood, Age 16+, Jan. 2 - Apr. 27, 2021



BB/BH/DT/NE/WE = Back Bay/Beacon Hill/Downtown/North End/West End

Data Source: Massachusetts Department of Public Health, Massachusetts Immunization Information System

Percentage of Individuals Fully Vaccinated for COVID-19 by Neighborhood, Age 16+, Jan. 2 - Apr. 27, 2021



BB/BH/DT/NE/WE = Back Bay/Beacon Hill/Downtown/North End/West End

Percentage of overall Boston population (age 16+) fully vaccinated = 38.3%

Data Sources: Massachusetts Department of Public Health, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018)

**Boston Residents with At Least 1 Dose and Fully Vaccinated for COVID-19 by ZIP Code, Age 16+,
Counts and Percentages, Dec. 15, 2020 – Apr. 27, 2021**

| Neighborhood | ZIP Code | Population Count (age 16+) | Individuals with At Least 1 Dose | Percent of Individuals with At Least 1 Dose | Fully Vaccinated Individuals | Percent of Individuals Fully Vaccinated |
|------------------|----------|-------------------------------|-------------------------------------|--|---------------------------------|--|
| BB/BH/DT/NE/WE | 02108 | 3,616 | 2,401 | 66.4% | 1,517 | 42.0% |
| BB/BH/DT/NE/WE | 02109 | 3,704 | 2,477 | 66.9% | 1,527 | 41.2% |
| BB/BH/DT/NE/WE | 02110 | 2,115 | 1,626 | 76.9% | 1,090 | 51.5% |
| South End | 02111 | 7,082 | 6,864 | 96.9% | 4,489 | 63.4% |
| BB/BH/DT/NE/WE | 02113 | 7,172 | 4,142 | 57.8% | 2,344 | 32.7% |
| BB/BH/DT/NE/WE | 02114 | 12,545 | 9,603 | 76.5% | 5,851 | 46.6% |
| Fenway | 02115 | 27,854 | 13,812 | 49.6% | 8,215 | 29.5% |
| BB/BH/DT/NE/WE | 02116 | 21,813 | 12,910 | 59.2% | 8,184 | 37.5% |
| South End | 02118 | 24,152 | 17,400 | 72.0% | 11,232 | 46.5% |
| Roxbury | 02119 | 22,482 | 13,577 | 60.4% | 9,127 | 40.6% |
| Roxbury | 02120 | 13,403 | 8,926 | 66.6% | 5,056 | 37.7% |
| Dorchester 21-25 | 02121 | 22,811 | 9,876 | 43.3% | 6,651 | 29.2% |
| Dorchester 22-24 | 02122 | 20,767 | 12,373 | 59.6% | 8,037 | 38.7% |
| Dorchester 22-24 | 02124 | 44,108 | 22,857 | 51.8% | 15,772 | 35.8% |
| Dorchester 21-25 | 02125 | 28,683 | 16,908 | 58.9% | 10,882 | 37.9% |
| Mattapan | 02126 | 23,800 | 9,559 | 40.2% | 6,757 | 28.4% |
| South Boston | 02127 | 32,415 | 21,068 | 65.0% | 12,597 | 38.9% |
| East Boston | 02128 | 38,220 | 22,790 | 59.6% | 13,079 | 34.2% |
| Charlestown | 02129 | 15,927 | 10,900 | 68.4% | 7,027 | 44.1% |
| Jamaica Plain | 02130 | 34,675 | 24,804 | 71.5% | 16,386 | 47.3% |
| Roslindale | 02131 | 27,676 | 17,061 | 61.6% | 11,686 | 42.2% |
| West Roxbury | 02132 | 23,571 | 16,757 | 71.1% | 11,997 | 50.9% |
| Allston/Brighton | 02134 | 18,259 | 13,268 | 72.7% | 6,795 | 37.2% |
| Allston/Brighton | 02135 | 40,643 | 27,479 | 67.6% | 16,514 | 40.6% |
| Hyde Park | 02136 | 27,330 | 16,036 | 58.7% | 11,340 | 41.5% |
| Allston/Brighton | 02163 | 2,331 | 701 | 30.1% | 237 | 10.2% |
| BB/BH/DT/NE/WE | 02199 | 1,090 | 839 | 77.0% | 516 | 47.3% |
| South Boston* | 02210 | 3,012 | 3,341 | 110.9% | 1,844 | 61.2% |
| Fenway | 02215 | 24,976 | 12,056 | 48.3% | 6,099 | 24.4% |

BB/BH/DT/NE/WE = Back Bay/Beacon Hill/Downtown/North End/West End. [Data Sources](#): Massachusetts Department of Public Health, Massachusetts Immunization Information System; U.S. Census Bureau, American Community Survey, 2018 5-yr estimates (2014-2018). *Percent vaccinated exceeding 100%: BPHC utilizes American Community Survey (ACS) population estimates for rate denominators. Resulting rates exceed 100% when the count of vaccinated individuals exceeds the survey estimate for number of eligible residents. This may occur in instances when the survey estimate reflects an undercount of the true population size. These ACS survey estimates represent average population counts during a five-year period, 2014-2018. Having been derived from a sample of survey respondents, these estimates inherently carry a level of uncertainty reflecting the unknown difference between the sample of survey respondents and the unknown true population count. Additionally, these estimates do not capture changes in available housing or other factors related to migration in and out of Boston neighborhoods since 2018.